

THOMAS P. LOZITO

Cambridge Scholar 2003

Degree: Johns Hopkins University: B.S., Engineering, 2003

Research Interests:

Biomedical Engineering, Bioinformatics and Computational Science



An honors graduate from The Johns Hopkins University with a B.S. Biomedical Engineering and a Minor in Mathematics, Thomas Lozito has had a stellar academic career. In addition to receiving numerous scholarships including the Peter and Mary Torrieri Memorial, Associated Italian American Charities of Maryland, the Wye, and the Edward J. Bloustein Distinguished Scholar, he has also received the Bausch & Lomb Science Award, the New Jersey Board of Education Recognition Award, the Presidential Academic Award, the United States Marine Corps Scholastic Excellence Award, the Milton H. Gelzer Valedictorian Award, and the Richard J. Johns Award for Outstanding Achievement in Biomedical Engineering. He has been fascinated by engineering problems in biology and was a member of the Biomedical Engineering Design Team. His research work has spanned the topics of mutant genes in border cell migration, signaling pathways required for cell motility, and identification of genes responsible for polar cell fate. He also participated in the Research Experience for Undergraduates at Purdue University, in which he developed a mathematical model of the T-lymphocyte antigen-signaling pathway. He has published several scientific papers and has been involved in several academic honors societies. Outside of academics, he has been a volunteer for Habitat for Humanity and the Baltimore Soup Kitchen for the indigent. Thomas says that in his opinion, “computational modeling of biological systems offers a unique blend of experimental and theoretical work that results in a very satisfying combination of disciplines.”